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Figure Captions

Fig. 1. Location of sampling sites. A. Sars Seamount, B. Interim Seamount, C. Burdwood Bank and D. Shackleton Fracture Zone. Inset: box indicates the area shown in the main figure.

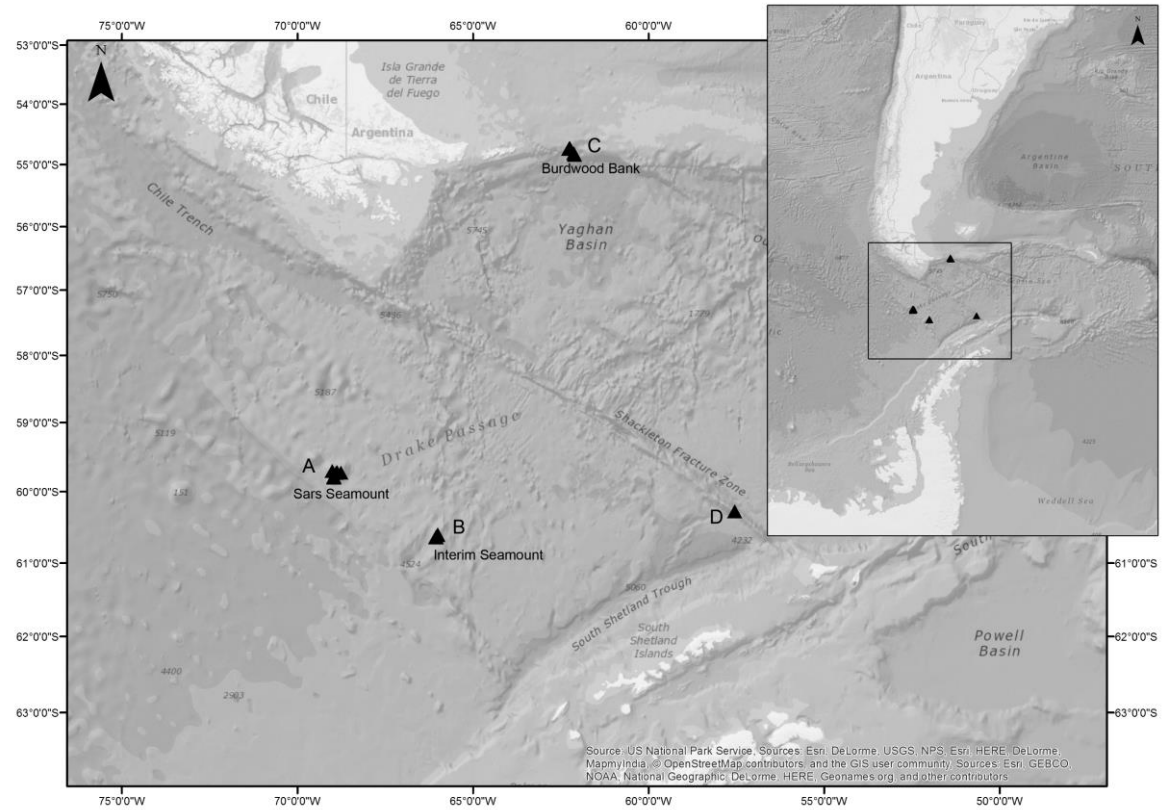


Fig. 2. *Abyssocladia leverhulmei* sp. nov. Images of holotype MNHNCL POR–15008. A. Dried specimen, scale 1cm. B. Basal strongyle and style, scale 100 μ m. C. Style, scale 100 μ m. D. Abyssochelae, scale 10 μ m. E. Group of arcuate chelae, scale 10 μ m. F. Arcuate chelae, scale 10 μ m. G. Simancistra, scale 10 μ m.

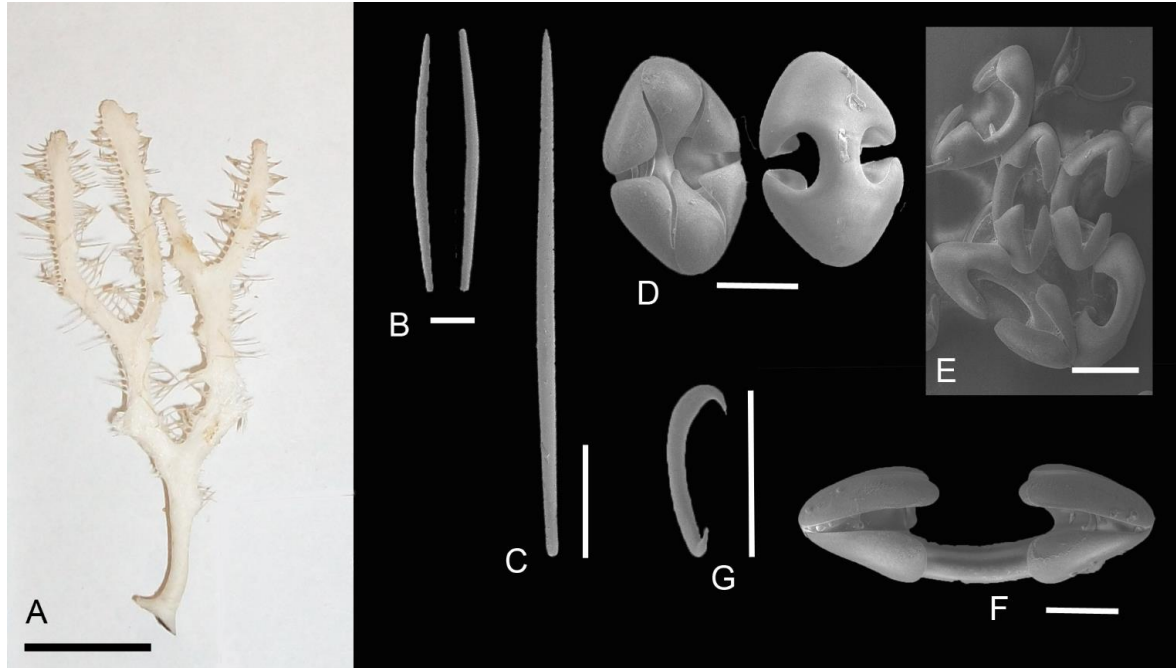


Fig. 3. *Asbestopluma* (A.) *bitrichela* Lopes, Bravo & Hajdu, 2011. BELUM.Mc2015.73.

A. Freshly collected specimen, scale 1 cm. B. Acanthotylostrongyle, scale 10 μ m. C. Strongyle, scale 100 μ m. D. Style, scale 100 μ m. E. Desma, scale 100 μ m. F. Chelae, scale 10 μ m. G. Chelae, scale 10 μ m. H. Sigmancistra, scale 10 μ m. I. Sigma, scale 10 μ m. J. Sigma end, scale 1 μ m.

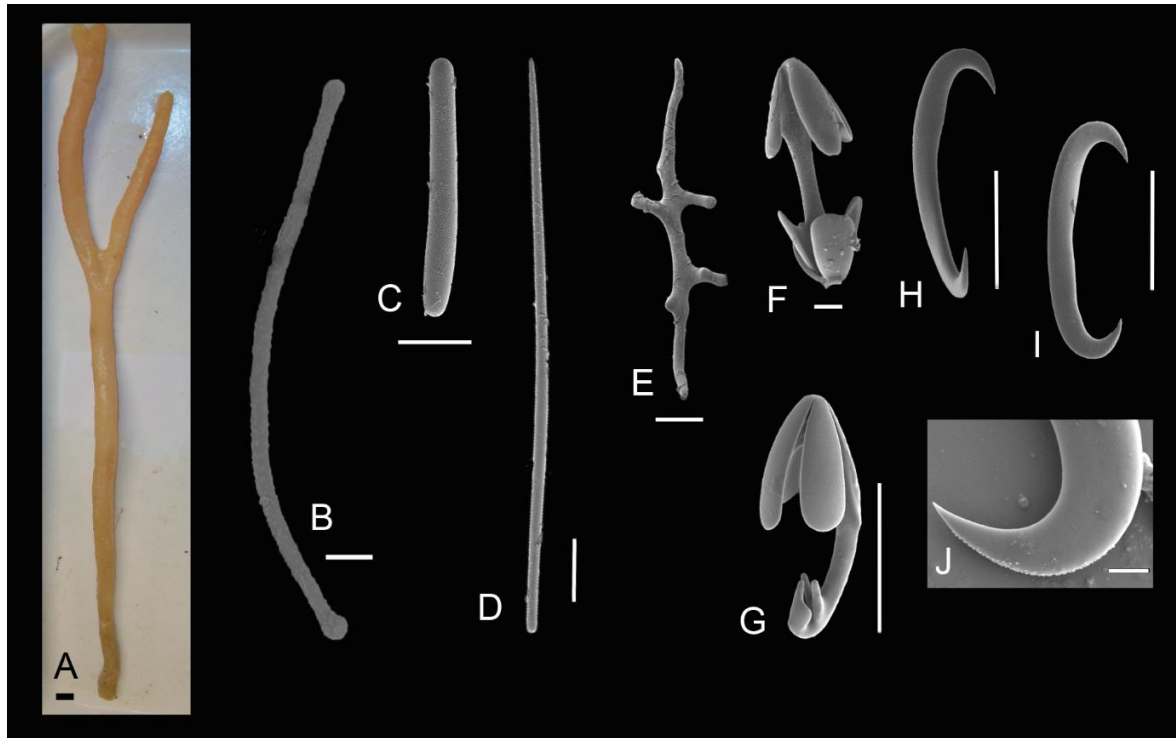


Fig. 4. *Asbestopluma gemmae* sp. nov. Holotype MNHNCL POR-15005. A. External appearance dried specimen, scale 1cm. B. Style, scale 100 μ m. C. Style, scale 100 μ m. D. Large chelae, scale 10 μ m. E. Small chelae, scale 10 μ m, Sigma, scale 10 μ m.

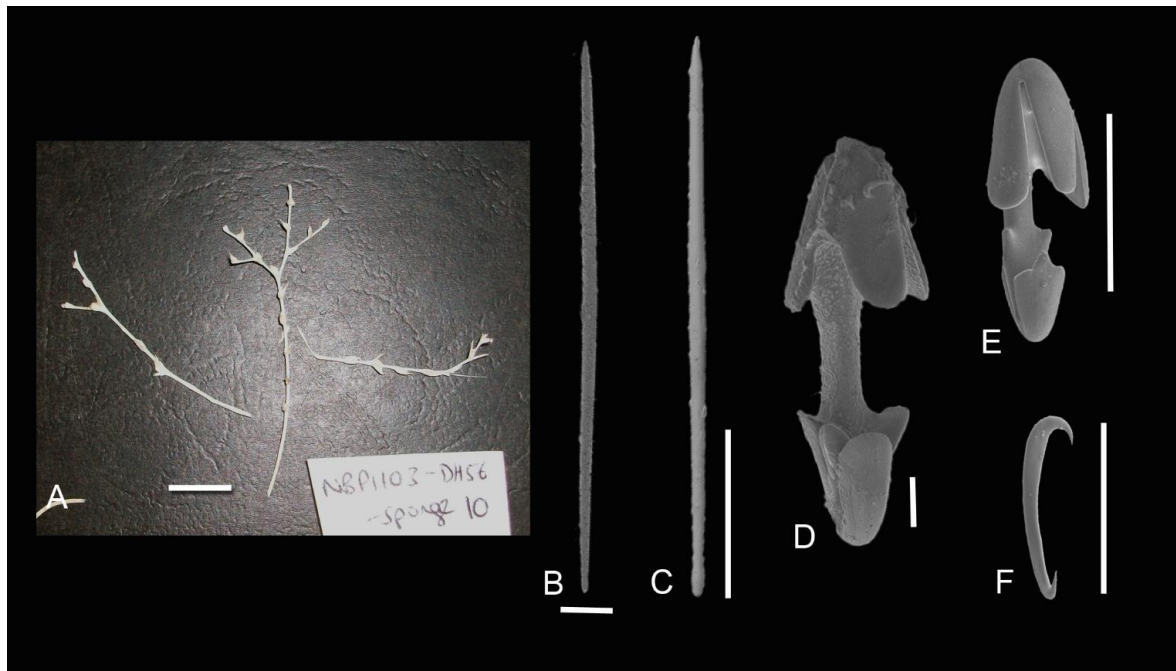


Fig. 5. *Asbestopluma* (A.) *rhapsidiophorus* sp. nov. Appearance freshly collected specimens, A. paratype (MNHNCL POR–15007), B. holotype (MNHNCL POR–15011), scale bar 1cm. Spicules from holotype (MNHNCL POR–15011). C. Style, scale 100 μ m. D. Style, scale 100 μ m. E. raphide, scale 100 μ m, F. raphide end, scale 10 μ m, G. Sigma, scale 10 μ m, H. chelae, scale 10 μ m.

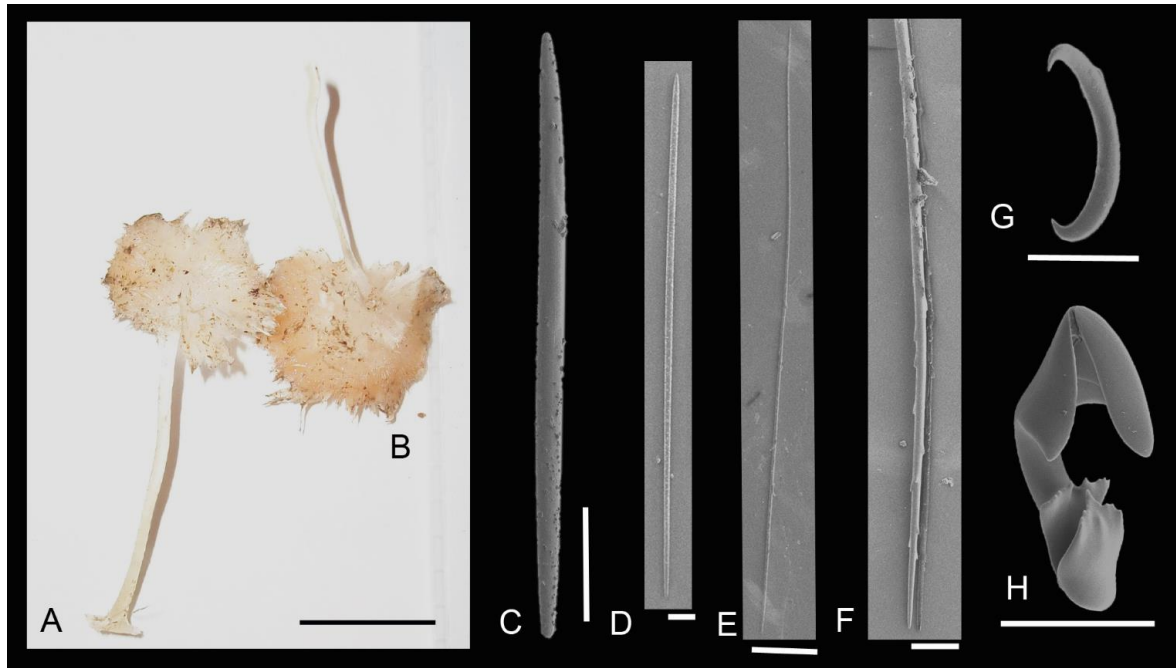


Fig. 6. *Asbestopluma* (A.) *sarsensis* sp. nov. Holotype MNHNCL POR-15012. A. Freshly collected specimen (scale 1cm). B. Style, scale 100 μ m. C. Basal acanthotylostronglye, scale 10 μ m, D. Acanthotylostronglye ends, scale 10 μ m. E. Sigma, scale 10 μ m. F. Chelae, scale 10 μ m.

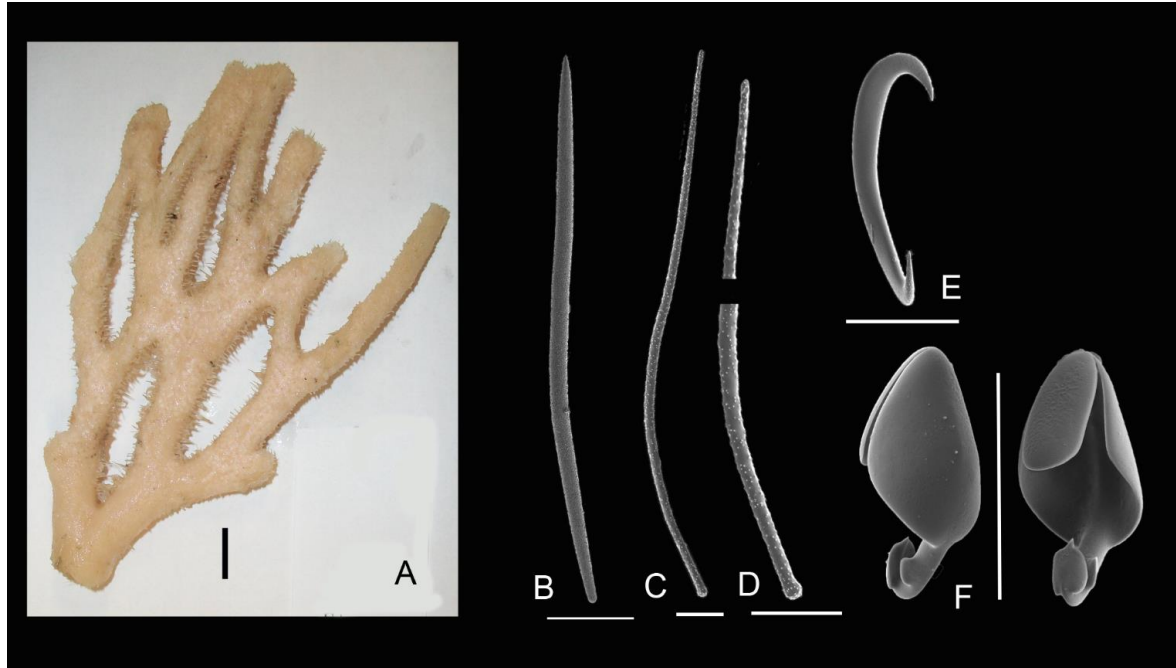


Fig. 7. *Asbestopluma* (*Helophloeina*) *keriaia* sp. nov. Holotype MNHNCL POR–15009.

A. Freshly collected appearance, scale 2mm. B. Style, scale 100 μ m, C. Style, scale 100 μ m. D. Strongyle, scale 100 μ m, E. Microstrongyle, scale 10 μ m. F. Spear, scale 10 μ m, H. Small Chelae, scale 5 μ m, I. Chelae, scale 10 μ m.



Fig. 8. *Cladorhizida scanlonae* sp. nov. Holotype MNHNCL POR-15017. A. Freshly collected specimen, scale 1cm. B. Chelae, scale 10 μ m. C. Style, scale 100 μ m.



Fig. 9. *Chondrocladia* (*Ch.*) *saffronae* sp. nov. Holotype MNHNCL POR-15013. A. Freshly collected specimen, scale 1 cm. B. Chelae, scale 10 μ m. C. Style, scale 100 μ m.

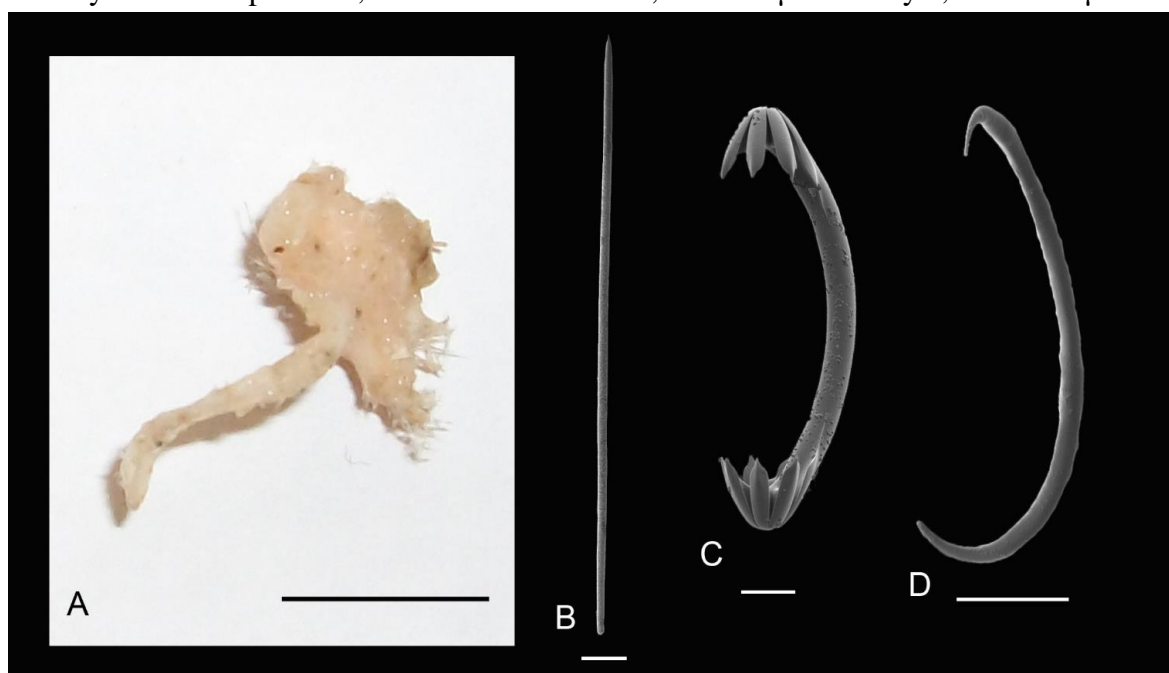


Fig. 10. *Lycopodina callithrix* (Hentschel, 1914). Specimen BELUM.Mc2015.210. A. Specimen as viewed on slide (from composite microscope image), scale 1000 μm . B. Style, scale 100 μm . C, D. Chelae, scale 10 μm .

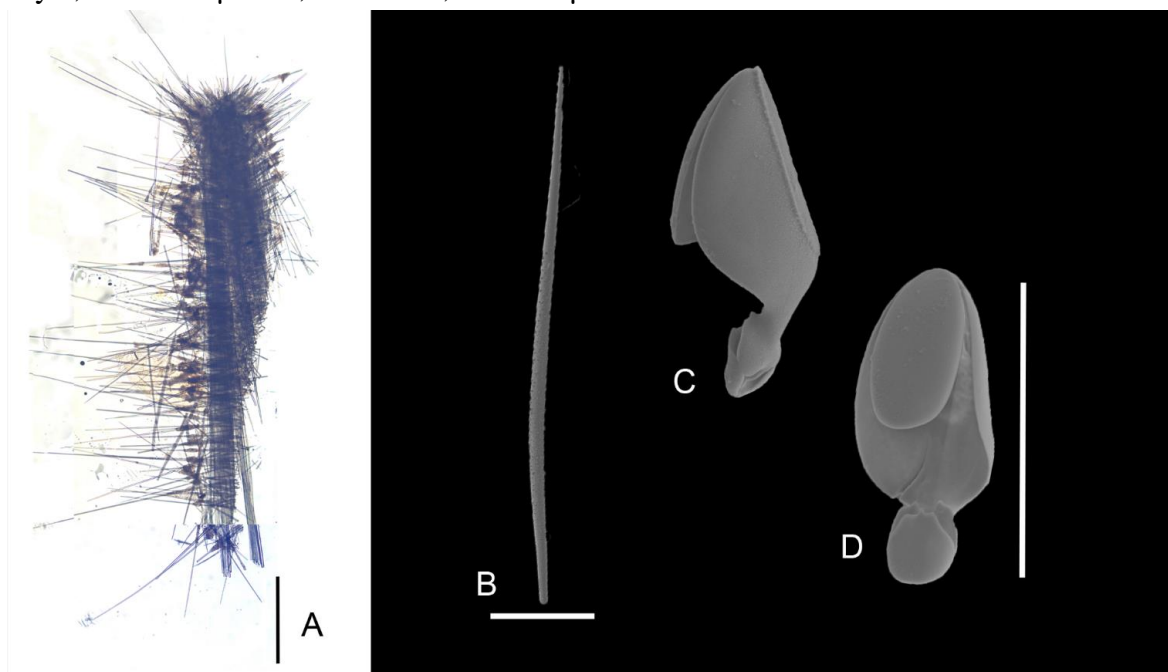


Fig. 11. *Lycopodina calyx* (Hentschel, 1914). Specimen BELUM.Mc2015.288. A. Freshly collected specimen, scale 1cm. B. Style, scale 100 μ m. C. Chelae, scale 10 μ m.

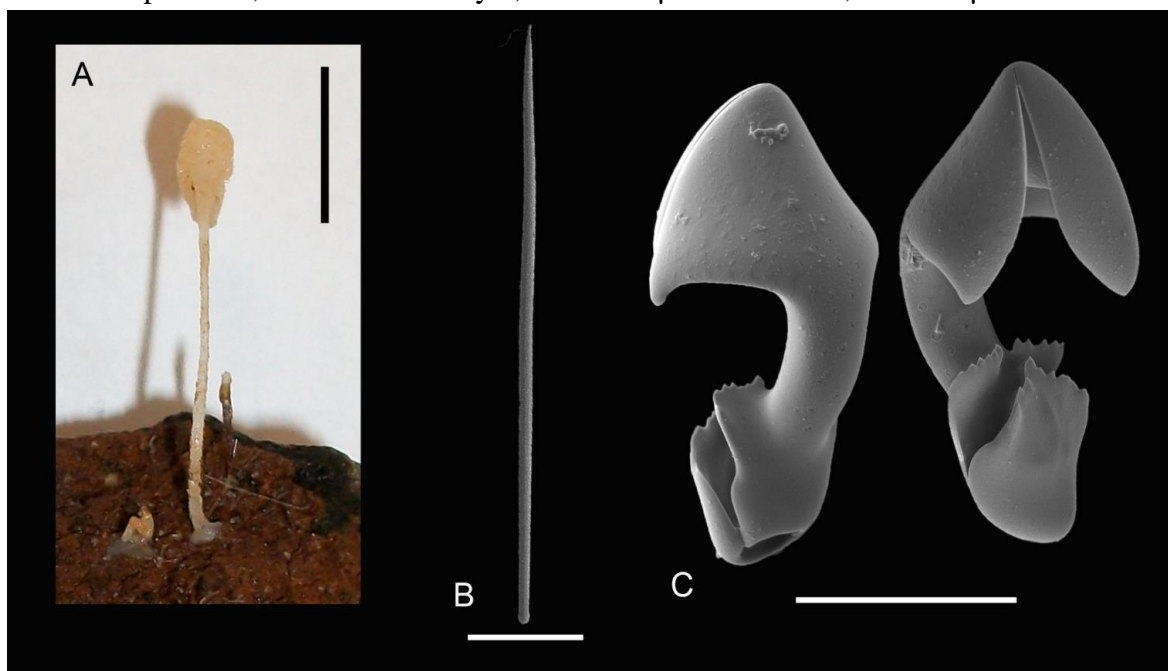


Fig. 12. *Lycopodina drakensis* sp nov. Holotype MNHNCL POR-15006. A. Freshly collected specimen (scale 1cm), B. Style (scale 100 μ m), C. Chelae (scale 10 μ m), D. Forceps (scale 10 μ m).

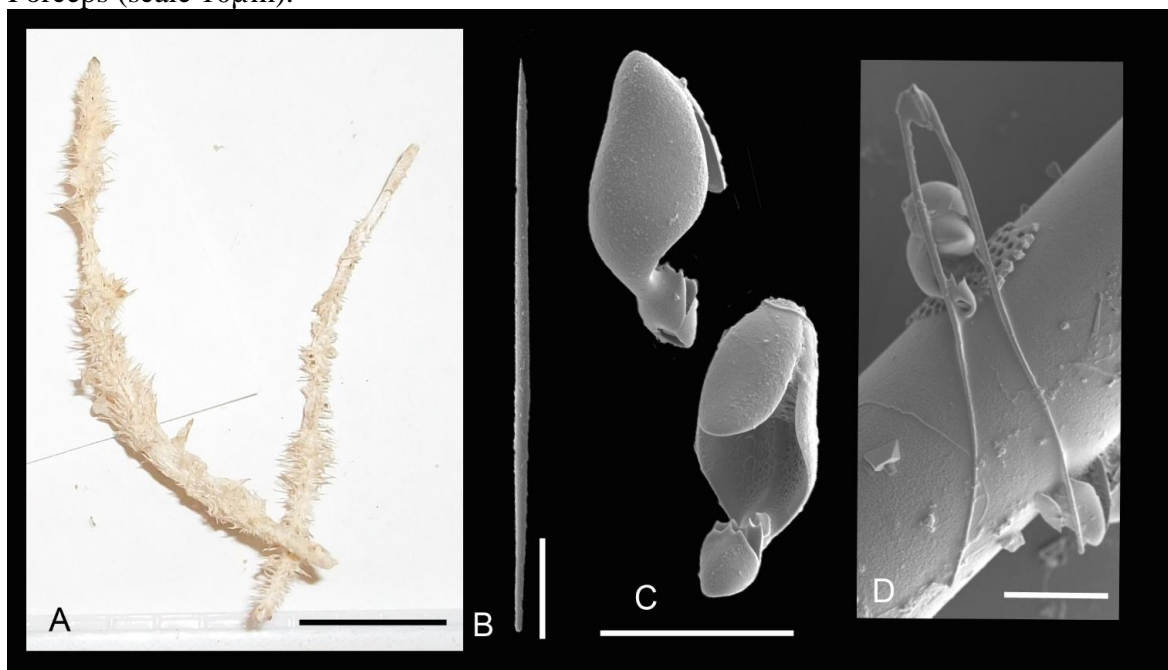


Fig. 13. Carnivorous sponge specimens from the Southern Ocean (records from OBIS, 2016).

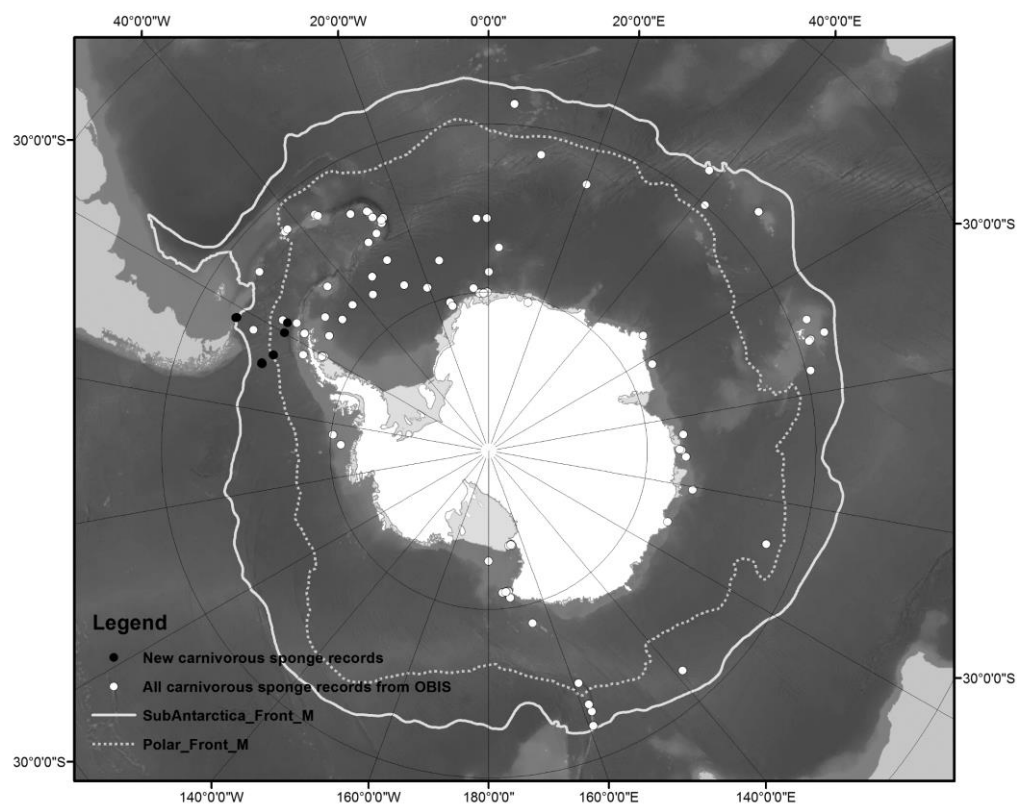


Fig. 14. Number of carnivorous sponge specimens recorded from the Southern Ocean between 1866 and 2016 (records from OBIS, 2016).

